

Revised SALIENT CHARACTERISTICS for Walk-In Industrial Ovens, 2/25/02

- Industrial Oven, Class "B"
- Dimensions
 - Interior Operating Dimensions - 96" (W) x 144" (D) x 96" (H)
 - Exterior Dimensions not to exceed 132" (W) x 240" (D) x 144" (H)
- Operating Characteristics
 - Operates from 480 Volt, 3 phase, 60 Hertz supply
 - Blower circulating system provides minimum of 15,000 CFM
 - Minimum 975 CFM powered forced exhauster with on/off switch and panel-controlled damper.
 - Two integrated ¾" pipe vacuum ports. One each located on each of the sidewalls near the top, near the doors. Lines should penetrate sidewalls to outside area. Each port should have a vacuum gauge and ball valve external to the oven. Ports should be stubbed out to the inside 4 inches and capped off.
 - Watlow 942 digital (or equivalent) temperature controller with 10" diameter circular chart single per recorder.
 - Modulating temperature control.
 - Minimum 140 KW heat input capacity
 - Temperature control within +/- 5 degrees Fahrenheit of set point temperature.
 - Normal operating temperature range 225 +/- 5 degrees Fahrenheit.
 - Maximum continuous operating temperature 500 degrees Fahrenheit.
 - Distributed lighting system located along the centerline of the ceiling. This system should provide 35 foot-candles to the entire operating area of the oven.
- Construction
 - Steel construction
 - Interior fabricated from type 304 with a 2B finish heavy stainless steel
 - Minimum 4" insulation
 - Two front-opening doors, side hinged, full opening to full 96" width.
 - Oven floor 2-1/2" thick with two (2) pair of floor-level wheel guide tracks. Tracks to be laid so as to provide maximum center aisle width. Tracks will be recessed into the oven floor and surface mounted outside the oven. Tracks should start near the rear of the oven and protrude ten feet out from the threshold.
 - Exhaust plenum
- Supporting Equipment
 - Two heavy-duty, manually operated, flatbed loading trucks (40"W x 96"L), of steel construction. Each loading truck should support a 1200-pound load in various loading configurations.
- All components listed above to be provided, installed and tested by oven supplier.
- Exhaust piping from exhaust plenum to exterior of building to be provided by the government at the time of installation.